

CLAIMS

1. A vehicle stabilizer for high stress that is formed by conducting a hot-bending process on a solid round steel bar material, wherein a bending portion is formed in a state which satisfies conditions:

$$0 < \phi \leq 4 \text{ and } (\phi \times d/R) \leq 2,$$

in which d represents a material diameter of the solid round steel bar material, R represents a radius of bending of the bending portion, d1 represents a short radius of a cross section of the bending portion, d2 represents a long radius of the cross section of the bending portion, and a flat rate ϕ of the cross section of the bending portion is represented by the following equation:

$$\phi = (d2 - d1)/d2 \times 100.$$

2. The vehicle stabilizer for high stress according to claim 1, wherein the vehicle stabilizer for high stress is used under stress of 500MPa or more.